

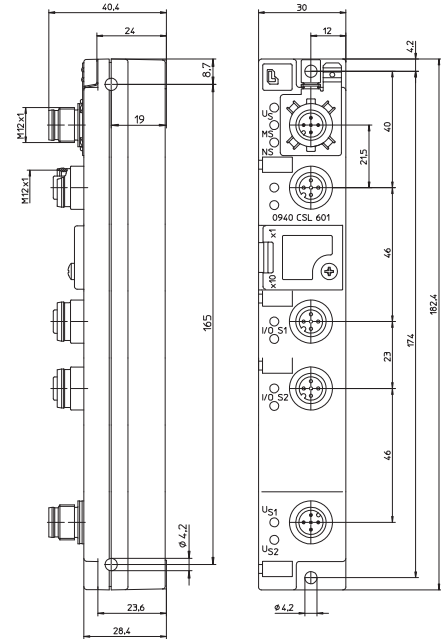
CANopen

LioN-Link BusHead CANopen®-Slave

0940 CSL 601



LioN-Link BusHead IP 67 bus coupler module for the connection between the higher level fieldbus and the fieldbus independent I/O modules, with M12 bus connection, rotary switches for addressing, M12 LioN-Link connection, M12 power supply connection



Diagnostic Indication

LED	Indication	Condition
I/O Line 1, I/O Line 2	red green off	wrong configuration/module exchanged online, communication with PLC branch not in use (module not connected)
U _{S1}	green	sensor/system power supply Line 1
U _{S2}	green	sensor/system power supply Line 2
MS	green green flashing red red flashing red/green flashing	device is ready for operating wrong configuration unrecoverable fault recoverable fault self test is running
NS	green green flashing red flashing red	online, communication with PLC online, no communication with PLC timeout state of one or more I/O connections failed communication device, BUS-OFF status, duplicate MAC-ID

Pin Assignment

Bus connection M12	LioN-Link connection M12	Power supply M12
<p>1 = Drain 2 = 24 V 3 = GND (0 V) 4 = CAN_H 5 = CAN_L Housing / = Earth</p>	<p>1 = Drain 2 = 24 V Sensor/System 3 = 0 V Sensor/System 4 = Data + 5 = Data -</p>	<p>1 = +24 V 2 = +24 V 3 = 0 V 4 = 0 V 5 = Earth</p>

Technical Data

Degree of protection	IP 67
Operating temperature range	-10°C/+60°C
Weight	200 g
Housing material	PBT

Bus system	CANopen®
GSD/EDS file	0940CSL601.EDS
Transmission rate	max. 1 MBaud
Address range	1–99 dec
Rotary address switches	1–99 dec
Default address	63 dec

Supply of the fieldbus interface	U_s
Rated voltage	24 V DC
Voltage range	11–30 V DC
Power consumption	typ. 10 mA
Reverse polarity protection	yes
Indication	LED green

System/sensors power supply	U_{s1}, U_{s2}*
Rated voltage	24 V DC
Voltage range	19–30 V DC
Power consumption	system: typ. 60 mA / fieldbus: typ. 10 mA
Reverse polarity protection	yes
Indication	LED green
Output current per branch	max. 3 A

Included in delivery/accessories	Dust covers M12, attachable labels
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* Both supply points on the BusHead must always be connected.

Diagnostic

Diagnosis for communication status, module breakdown and periphery faults in the Link system

Note

A maximum of 16 LioN-Link I/O modules can be operated on this BusHead

Designation

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The application of these products in harsh environments should always be checked before use. Specifications subject to alteration.